



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010636  
CERTIFICATION DATE: September 19, 2013  
DATE RECERTIFICATION DUE: March 18, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

Program Manager, Calibration & Training

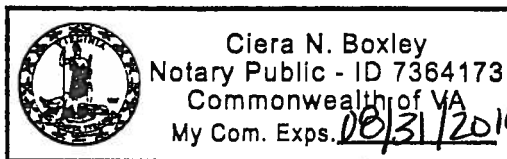
CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 23<sup>rd</sup> day of September, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

TLV



**Department of Forensic Science**  
**Breath Alcohol Section**  
**Instrument Maintenance History**  
**1/1/1990 To 9/20/2013**

HMS  
RJP

**Instrument Serial Number: 010636** **As of 20-Sep-13**

<b>Maintenance</b>	<b>Certification</b>	<b>Technician</b>	
<b>Date</b>	<b>Date</b>	<b>Initials</b>	<b>Remarks</b>
19-Sep-13	19-Sep-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
10-Apr-13	10-Apr-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
25-Oct-12	25-Oct-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
09-May-12	09-May-12	HMS (18910)	REPLACED E-SEEK CARD READER, CERTIFIED, REPLACED DRY GAS STANDARD.
15-Nov-11	15-Nov-11	HMS (18910)	CERTIFIED
09-Jun-11	09-Jun-11	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
22-Dec-10	22-Dec-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
09-Jul-10	09-Jul-10	RJP (22428)	CERTIFIED.
22-Jan-10	22-Jan-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
03-Aug-09	03-Aug-09	RJP (22428)	CERTIFIED.
15-Apr-09	15-Apr-09	RJP (22428)	CERTIFIED.
06-Apr-09	06-Apr-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

**INTOX EC/IR II**  
**Quality Assurance Worksheet**

*Handwritten initials/signature*

Instrument Serial Number 010636 Worksheet Start Date 9/19/2013

Location Fort Belvoir

Address 6080 Abbott Rd., Fort Belvoir, VA 22060

DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

**Site Specifications**

Yes No

**1 Secured Environment:**

Location must not be accessible to the general public.

☒ ☐

**2 Environment free from contaminants**

☒ ☐

**3 Dedicated telephone line:**

The phone line should be used solely by the instrument.

☒ ☐

**4 Adequate Ventilation:**

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

**5 Stable temperature controls:**

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

**6 115VAC power source:**

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

**7 Room Condition:**

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.	New serial no.	Supplies	<div>20</div>
E-Seek		Mouthpieces	
Keyboard		Certificates of Analysis	
Printer		Operator Worksheet	
UPS		Other:	

Maintenance (if any)  
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010636

Certification Date 9/19/2013

Instrument Barometer (mm HG) 760

Reference Barometer (mm HG) 763

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.250	0.242	0.257	Sample 2	0.246
Precision		sample min	sample max	Sample 3	0.246
0.001		0.246	0.247		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.150	0.145	0.154	Sample 2	0.150
Precision		sample min	sample max	Sample 3	0.150
0		0.150	0.150		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.080	0.077	0.083	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0.001		0.079	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG226201-26

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.100	0.097	0.103	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

DFS Technician

*Hester m Stark*

Date

9/20/13

Issuing Analyst

*Melissa Kennedy*

Date

9/22/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

HMB  
msk

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>09/19/2013</b>
TEST EQUIPMENT NUMBER <b>010636</b>		

RESULTS: TIME SAMPLE TAKEN 12:33 EDT  
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
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☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 19 Sep 2013 at 12:40

DBH  
HMS  
MLK

## Test Results

Instrument Serial Number 010636

Test # 000293 Subject Test

Test Location 1 Department of  
Test Date 19 Sep 2013

Test Location 2 Forensic Science  
Test Time 12:27  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name STANTON  
Agency DFS Centrai Lab

Operator's First Name HEATHER

Operator's Middle Initial N

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 19 Sep 2013 End Time 12:34

Result Time 12:33

Result Date 19 Sep 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:27

Data Type BLK

Sample Value 0.000

Sample Time 12:28

Data Type CHK

Sample Value 0.102

Sample Time 12:29

Data Type BLK

Sample Value 0.000

Sample Time 12:30

Data Type SUBJ

Sample Value 0.000

Sample Time 12:31

Data Type BLK

Sample Value 0.000

Sample Time 12:32

Data Type SUBJ

Sample Value 0.000

Sample Time 12:33

Data Type BLK

Sample Value 0.000

Sample Time 12:34

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG226201-26

Standard Expiration Date 09/18/2014

Tank Pressure 1090

Barometric Pressure 760 mmHg

Blow Sample Number 1 Blow Duration 3.62 sec

Blow Volume 1751 cc End-of-Blow Time 12:31

Blow Sample Number 2 Blow Duration 3.69 sec

Blow Volume 1753 cc End-of-Blow Time 12:33

Tamper Evident Stamp dcc623ee

Test Status Code 0

Test Status Success

Handwritten signature

Handwritten signature

**Intox EC/IR-II: Software Version**

*Department of Forensic Science*

Serial Number: 010636

System Date: 09/19/2013

System Time: 12:58 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

AMS  
MSK

**Intox EC/IR-II: Calibration**

***Department of Forensic Science***

**Serial Number: 010636      Test Number: 294**

**Test Date: 09/19/2013      Test Time: 13:00 EDT**

**Dry Gas Target: 0.100**

**Lot Number: 0651210013-06      Exp Date: 04/01/2014**

**Tank Pressure: 708 psi      Barometric Pressure: 760 mmHg**

**System Check: Passed**

Test	g/210L	Time
BLK	0.000	13:00
CAL	0.100	13:01

**Test Status: Success**

**Calibration CRC: BB2D8DCD**



HMS  
MSK

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010636      Test Number: 295

Test Date: 09/19/2013      Test Time: 13:03 EDT

Technician Initials: HMS

Dry Gas Target: 0.250

Lot Number: 2961225012-08      Exp Date: 11/01/2014

Tank Pressure: 698 psi      Barometric Pressure: 760 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:04
BLK	0.000	13:05
CHK	0.247	13:05
BLK	0.000	13:07
CHK	0.246	13:07
BLK	0.000	13:09
CHK	0.246	13:10
BLK	0.000	13:11

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS  
NSL

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010636      Test Number: 296  
Test Date: 09/19/2013      Test Time: 13:12 EDT

Technician Initials: HMS

Dry Gas Target: 0.150

Lot Number: 0771315013-04      Exp Date: 05/01/2015  
Tank Pressure: 193 psi      Barometric Pressure: 760 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:13
BLK	0.000	13:14
CHK	0.150	13:14
BLK	0.000	13:16
CHK	0.150	13:16
BLK	0.000	13:18
CHK	0.150	13:18
BLK	0.000	13:20

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS  
msk

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010636      Test Number: 297

Test Date: 09/19/2013      Test Time: 13:21 EDT

Technician Initials: HMS

Dry Gas Target: 0.080

Lot Number: 0651208012-04      Exp Date: 04/01/2014

Tank Pressure: 193 psi      Barometric Pressure: 760 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:21
BLK	0.000	13:22
CHK	0.080	13:23
BLK	0.000	13:24
CHK	0.079	13:25
BLK	0.000	13:26
CHK	0.079	13:27
BLK	0.000	13:28

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

hms  
msk

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010636      Test Number: 298

Test Date: 09/19/2013      Test Time: 13:29 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03      Exp Date: 04/01/2014

Tank Pressure: 281 psi      Barometric Pressure: 760 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:29
BLK	0.000	13:30
CHK	0.019	13:31
BLK	0.000	13:32
CHK	0.019	13:33
BLK	0.000	13:34
CHK	0.019	13:35
BLK	0.000	13:36

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Handwritten initials: HNS and N2K

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010636      Test Number: 299

Test Date: 09/19/2013      Test Time: 13:38 EDT

Dry Gas Target: 0.300

Lot Number: AG322702-02      Exp Date: 08/15/2015

Tank Pressure: 365 psi      Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	13:39
CHK	0.299	13:40
BLK	0.000	13:41
CHK	0.299	13:42
BLK	0.000	13:44
CHK	0.298	13:45

Test Status: Success

Calibration CRC: BB2D8DCD

Handwritten initials/signature in the top right corner.

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010636      Test Number: 300

Test Date: 09/19/2013      Test Time: 13:47 EDT

Dry Gas Target: 0.100

Lot Number: AG226201-26      Exp Date: 09/18/2014

Tank Pressure: 1080 psi      Barometric Pressure: 759 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:47
CHK	0.099	13:48
BLK	0.000	13:50
CHK	0.099	13:50
BLK	0.000	13:52
CHK	0.099	13:53

Test Status: *Success*

Calibration CRC: BB2D8DCD



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

*Handwritten initials: HOS, Nsk*

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DES</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>09/19/2013</b>
TEST EQUIPMENT NUMBER <b>010636</b>		

RESULTS: TIME SAMPLE TAKEN **14:00 EDT**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 20 Sep 2013 at 09:27

*Handwritten initials/signature*

## Test Results

**Instrument Serial Number 010636**

**Test # 000301 Subject Test**

**Test Location 1** Department of  
**Test Date** 19 Sep 2013

**Test Location 2** Forensic Science  
**Test Time** 13:54  
**Remote/Local** Local

**Test Location 3**  
**System Check** Passed

**Operator's Last Name** STANTON  
**Agency** DFS Central Lab

**Operator's First Name** HEATHER

**Operator's Middle Initial** M

**Card Serial Number** 118910

**License Number** 18910

**Effective Date** 10/01/2012

**Expiration Date** 10/01/2014

**Subject's Last Name** INSTRUMENT

**Subject's First Name** TEST

**Subject's Middle Initial**

**Subject's Date of Birth** 00/00/0000

**Subject's Sex** Male

**Driver's License Number**

**Driver's License Expiration** 00/00/0000

**Driver's License State**

**Court Name** DFS

**End Date** 19 Sep 2013 **End Time** 14:01

**Result Time** 14:00

**Result Date** 19 Sep 2013 **Result** 0.00

**Data Type** DIAG

**Sample Value** Pass

**Sample Time** 13:54

**Data Type** BLK

**Sample Value** 0.000

**Sample Time** 13:55

**Data Type** CHK

**Sample Value** 0.099

**Sample Time** 13:56

**Data Type** BLK

**Sample Value** 0.000

**Sample Time** 13:57

**Data Type** SUBJ

**Sample Value** 0.000

**Sample Time** 13:58

**Data Type** BLK

**Sample Value** 0.000

**Sample Time** 13:58

**Data Type** SUBJ

**Sample Value** 0.000

**Sample Time** 14:00

**Data Type** BLK

**Sample Value** 0.000

**Sample Time** 14:01

**Standard Type** Dry Gas Std

**Standard Value** 0.100

**Standard Lot Number** AG226201-26

**Standard Expiration Date** 09/18/2014

**Tank Pressure** 1071

**Barometric Pressure** 759 mmHg

**Blow Sample Number** 1 **Blow Duration** 3.63 sec

**Blow Volume** 1789 cc **End-of-Blow Time** 13:58

**Blow Sample Number** 2 **Blow Duration** 3.60 sec

**Blow Volume** 1776 cc **End-of-Blow Time** 14:00

**Tamper Evident Stamp** b5afea02

**Test Status Code** 0

**Test Status** Success